

SAFETY DATA SHEET according to Regulation (EC) No. 1907/2006**Oil M 50**Version 1.9
Revision Date 22.02.2011Print Date 25.08.2011
M00000004807**1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**

Trade name : Oil M 50

Usage : Industrial use, Component in personal care products

Company : Momentive Performance Materials GmbH
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2. HAZARDS IDENTIFICATION**GHS-Labeling Regulation (EC) No. 1272/2008:**

The product has not been classified as hazardous according to the legislation in force.

Labelling according to EC Directives

Further information : Not a hazardous substance or mixture according to EC-directives 67/548/EEC or 1999/45/EC.
The product does not need to be labelled in accordance with EC directives or respective national laws.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature
Polydimethylsiloxane

4. FIRST AID MEASURES

Inhalation : If breathed in, move person into fresh air. Get medical attention if symptoms persist.

- Skin contact : After contact with skin, remove product mechanically. Use skin protection cream.
- Eye contact : Rinse immediately with plenty of water. Consult a physician if necessary.
- Ingestion : Do NOT induce vomiting. Drink plenty of water. Get medical attention.

5. FIRE-FIGHTING MEASURES

- Suitable extinguishing media : Carbon dioxide Foam. Water spray
- Further Information : Use standard firefighting procedures and consider the hazards of other involved materials. Prevent fire extinguishing water from contaminating surface water or the ground water system.
- Special protective equipment for fire-fighters : Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

6. ACCIDENTAL RELEASE MEASURES

- Personal precautions, protective equipment and emergency procedures : Use personal protective equipment. Provide adequate ventilation.
- Environmental precautions : Do not allow runoff to sewer, waterway or ground.
- Methods for cleaning up : Material can create slippery conditions. Collect spillage with granulates, sawdust, rags or other absorbent. Sweep up and shovel.

7. HANDLING AND STORAGE

Handling

- Advice on safe handling : Avoid contact with eyes, skin, and clothing. Ensure adequate ventilation, especially in confined areas.

- Advice on protection against fire and explosion : Static electricity and formation of sparks must be prevented. All equipment used when handling the product must be grounded.

Storage

- Requirements for storage : Keep container tightly closed in a cool, well-ventilated place.

areas and containers

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Personal protective equipment

- Respiratory protection : No personal respiratory protective equipment normally required.
- Hand protection : Advise: There is no risk to health due to contact with the chemical. Use hand protection to prevent mechanically injuries.
- Eye protection : Safety glasses with side-shields conforming to EN166
- Hygiene measures : Avoid contact with skin and eyes.
When using do not eat, drink or smoke.
Wash hands after handling.
Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance

- Form : Liquid
- Colour : Colorless
- Odour : Odorless

Safety data

- Melting point : Melting point/range
<-60 °C Method: No data available.
- Boiling point/boiling range : >315 °C
- Flash point : ca.280 °C Method: DIN 51376
- Ignition temperature : >400 °C
Method: DIN 51794
- Vapour pressure : <0,1 hPa
at 20 °C
Method: No data available.
- Density : 0,96 g/cm³ at 20 °C Method: DIN 51757

Solubility/qualitative	: Soluble in toluene
Viscosity, dynamic	: 50 mPa.s at 23 °C Method: No data available.
Miscibility with water	: immiscible

10. STABILITY AND REACTIVITY

Further information	: Measurements at temperatures above 150°C in presence of air (oxygen) have shown that small amounts of formaldehyde are formed due to oxidative degradation. No dangerous reaction if used as recommended. No dangerous decomposition products if stored properly. No decomposition if used appropriately.
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11. TOXICOLOGICAL INFORMATION

Acute oral toxicity	: LD50 Rat male and female Dose: > 5.000 mg/kg
Skin irritation	: Rabbit Exposure time: 24 h Result: No skin irritation
Eye irritation	: Rabbit Result: No eye irritation
Sensitization	: Magnusson-Kligmann Guinea Pig Result: In tests with guinea-pigs, the product did not show a sensitising effect (OECD 406; GPMT according to Magnusson-Kligman).
Mutagenicity	: Negative in the Ames test.
Human experience	: According to current knowledge, polydimethylsiloxanes are not physiologically a problem; but contact with eyes can cause short time, harmless, reversible blurred vision, due to the formation of an oil film on the eye.

12. ECOLOGICAL INFORMATION

Ecotoxicity effects

Toxicity to fish : LC0
Species: Leuciscus idus
Dose: 200 mg/l
Exposure time: 96 h

Toxicity to microorganisms : EC0
Species: Pseudomonas putida
Dose: > 10.000 mg/l

13. DISPOSAL CONSIDERATIONS

Product : According to local regulations, can be taken to an appropriate incinerator equipped with exhaust gas cleaning.

14. TRANSPORT INFORMATION

Further Information : This product is not regarded as dangerous goods according to the national and international regulations on the transport of dangerous goods.
Keep away from foodstuffs and animal feed.

15. REGULATORY INFORMATION**Inventories**

Australia Inventory of Chemical Substances (AICS)	y (positive listing)
EU list of existing chemical substances	y (positive listing)
Japan Inventory of Existing & New Chemical Substances (ENCS)	y (positive listing)
China Inventory of Existing Chemical Substances	y (positive listing)
Korea Existing Chemicals Inventory (KECI)	y (positive listing)
Canada DSL Inventory	y (positive listing)
Canada NDSL Inventory	n (Negative listing)
Philippines Inventory of Chemicals and Chemical	y (positive listing)

